

# Cumberland Museum & Science Center

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August 26, 1986

Carol J. Walsh  
Environmental Engineer  
United States Environmental Protection Agency  
Region 4  
345 Portland Street, N.E.  
Atlanta, GA 30365

Dear Ms Walsh:

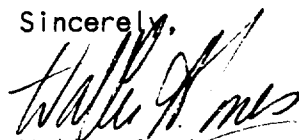
Thank you for your visit last Tuesday. I hope you will be able to continue your studies of the saad site and the monitoring wells at Grassmere later this fall.

The following is the flow information about two of the springs on the Croft site. The main spring, closest to the saad site, near monitoring well number two was measured at 700 gallons per minute in 1984. This was done in conjunction with Dr. Ed Thaxton of Vanderbilt University. The second spring, which feeds into the main stream as a tributary and which shows no signs of iron discoloration has been measured at ten gallons per minute by Dr. Ed Thaxton in 1984 and it has again been measured at ten gallons per minute in May of 1986. Obviously there is a striking difference in the rate of flow of the two springs. The main spring must have a tremendous water supply available to it.

We are going to be impounding the creek fed by the main stream in at least three locations prior to its junction with the other stream near Nolensville Road. Our plan is to begin some of this work next year progressing through 1988, with the public opening of the Grassmere facility in 1989. We hope you can help us resolve the issue of water quality in that stream in the very near future.

Again thank you for your attention to this matter. Looking forward to seeing you again.

Sincerely,

  
Walter A. Jones  
Grassmere Director

WAJ/pa